Simple

Recursion

B Modality

A Cardinality

www.pakcity.org Class:12 th :COMPUTER SCIENCE	
Q15: The optional relationship represented by:	
A Data Objects B Association C Cardinality and Modality All of these	
Q16: Merge the relations is also called:	
A View data model	
Q17: Organizing the database on secondary storage is called: A Logical design B Physical design	
© Implementation © Analysis	
Q18: Following is the basic distribution strategy:	
A Centralized B Partitioned C Replicated All of these	
Q19: Following is not an example of data distribution strategy:	
(A) Centralized (B) Balanced (C) Replicated (D) Partitioned	
Grantitud Granti	
Q20: Data is stored at single site is following strategy:	
© Hybrid © Partitioned	
Q21: Following is an advantage of partitioning:	
A Reliability B Extra space Efficiency D Accuracy	
Q22: Non critical fragments are stored at following number of site(s):	
(A) 1 (B) 2 (D) Multiple	
Q23: Critical fragments are stored at following number of site(s):	
Q24: Following factor is considered when selecting file organization method:	
A Efficient storage	
Annual at a Newton's Law Modern L	
Q25: The following keys does not hold uniqueness property:	
A Candidate key B Foreign key Sort key Secondary k	ey
Q26: In database, correctness and consistency refers to:	
(A) Constraints (B) Integrity constraints (c) Database constraints (d) Indexes	
Q27: The implementation model of database design is derived from:	
B PAR POINTIONAL MODELL	
Relational Model © Conceptual - Model Data Model Data Model	.org
© Conceptual - Model Data Model	.org
	.org
© Conceptual - Model © Data Model Q28: Database development process involve mapping of conceptual data model into:	org
© Conceptual - Model Q28: Database development process involve mapping of conceptual data model into: A Object-oriented data model D Data Model D Implementation model	org
© Conceptual - Model © Data Model Q28: Database development process involve mapping of conceptual data model into: A Object-oriented data model © Network data model © Network data model	ey

Class:12th:COMPUTER SCIENCE

www.pakcity.org

Ans: Modality defines whether the participation of an entity in a relationship is mandatory or

Ans: An entity relationship E-R diagram is a specialized graphic that illustrates the

relationship has cardinality of at least one the relationship is mandatory.

Q6: What is an E-R diagram?

represent three different types of information.

optional. If a relationship has a cardinality of zero, then is is an optional relationship. If

interrelationships between entities in a database. ER diagram often use symbols to



Q7: What is logical database design?

Ans: It is the process of mapping the conceptual model to the structures of the target DBMS. If the target database is relational then it will be mapped on normalized relations.

Q8: What is physical database design?

Ans: Physical database design is the last step of database design. The objective of physical database design is to implement the database as a set of stored, records, files, indexes and other data structures. These data structures provide performance and also ensure data integrity, security and recoverability.

Q9: What is meant by centralized database distribution?



Ans: In centralized database all the data is stored at single location. It is easy but have a few disadvantages. Data communications may be high in some cases. Data is not readily accessible by remote users. If central server fails, whole database fails.

Q10: What is partitioned database distribution?

Ans: In partition distribution data is divided into fragments and these fragments of data are placed at different computers. It is more accessible than centralized database strategy.

Q11: What is replicated database distribution?

Ans: Full copy of database is stored on some other computer. Any change in parent computer is replicated to the others. In this strategy more storage is required. There can be a huge communication cost while replication. Frequent synchronization is also required.

